

FIG.1

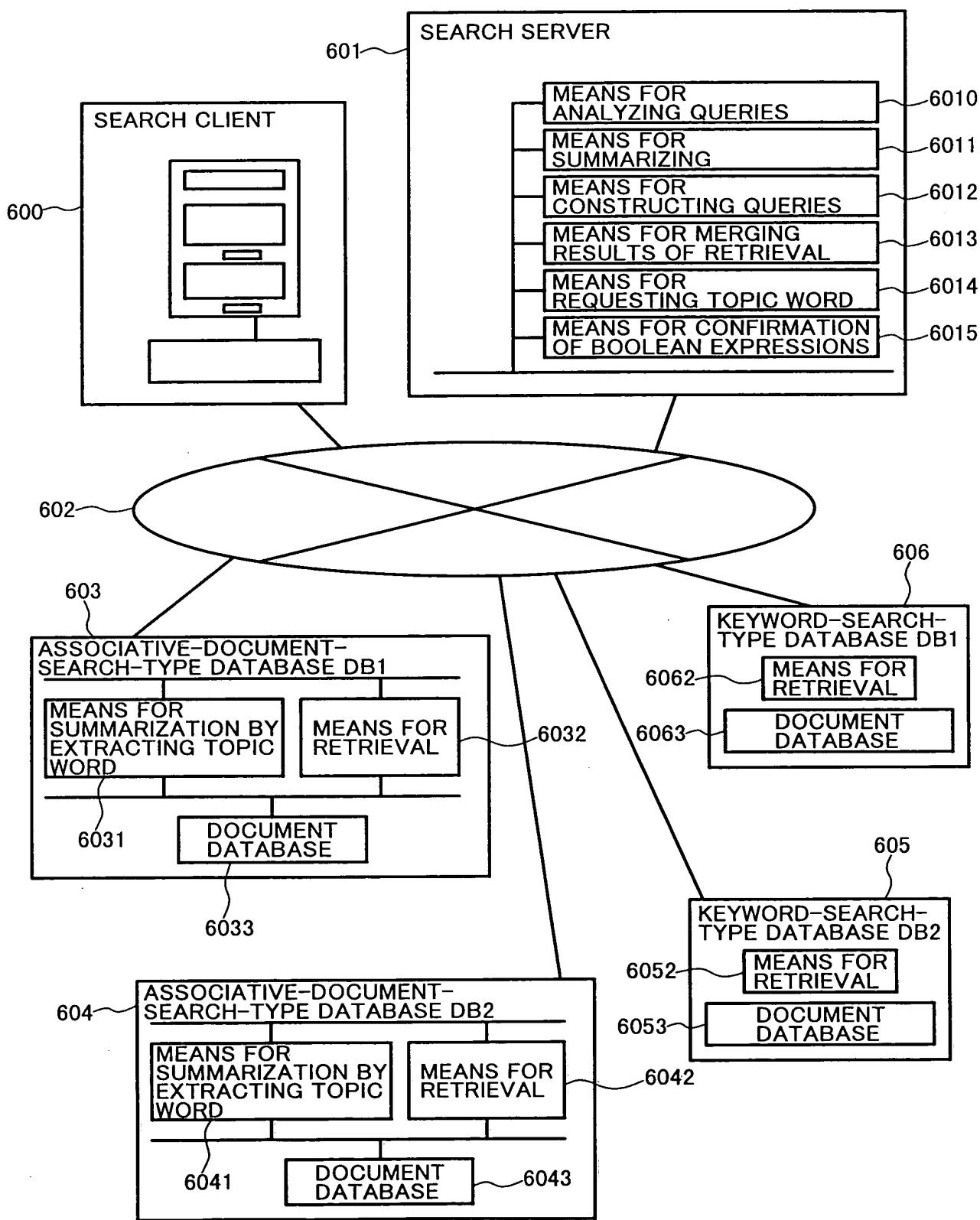


FIG.2

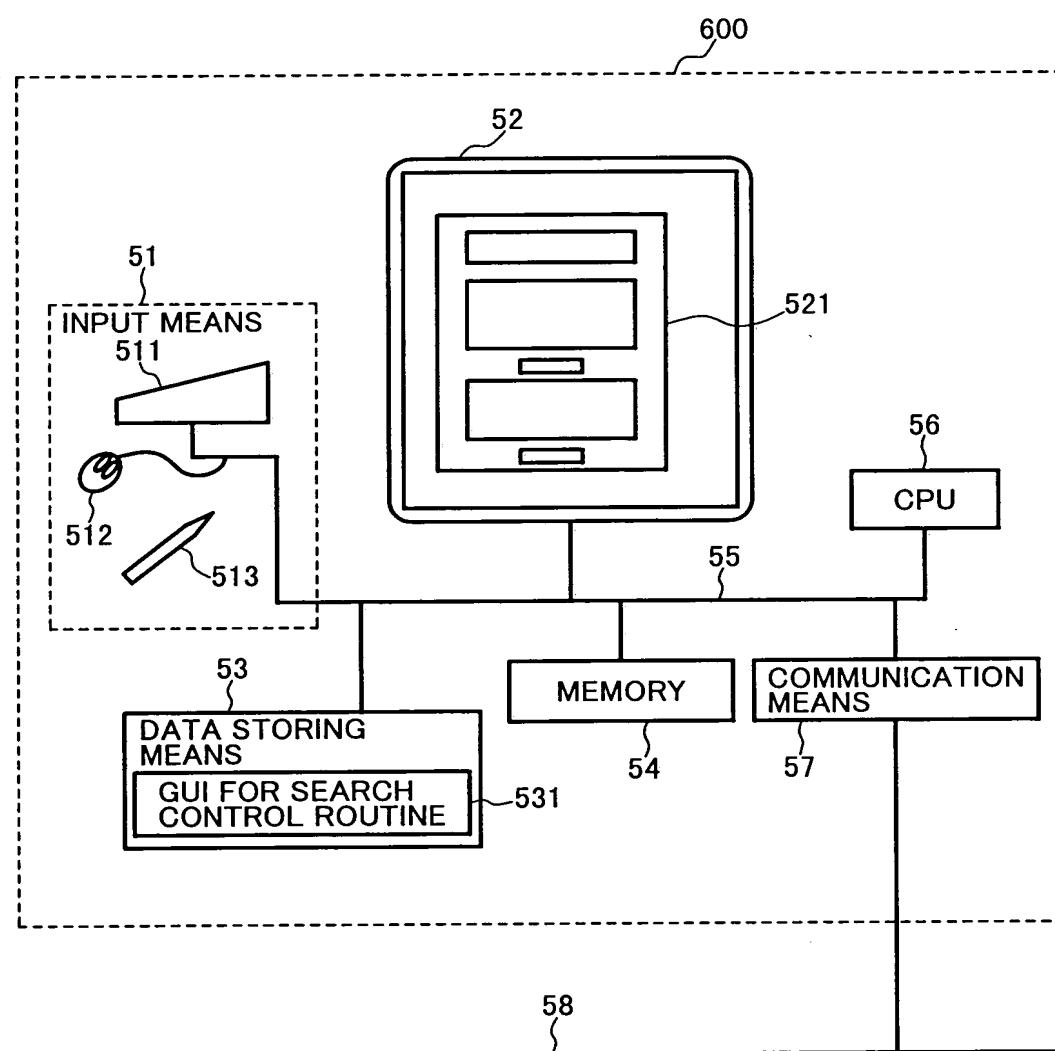


FIG.3

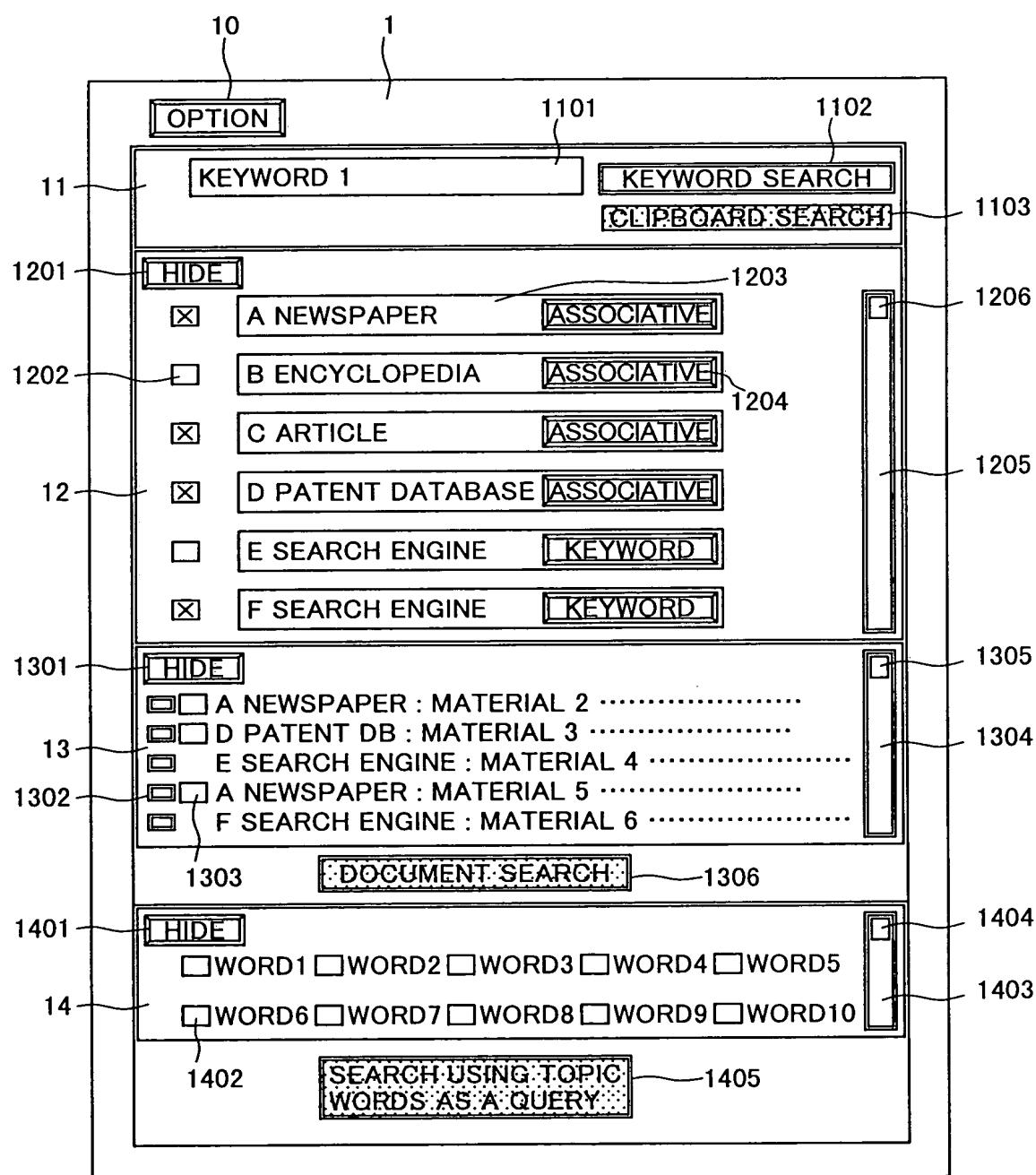


FIG.4

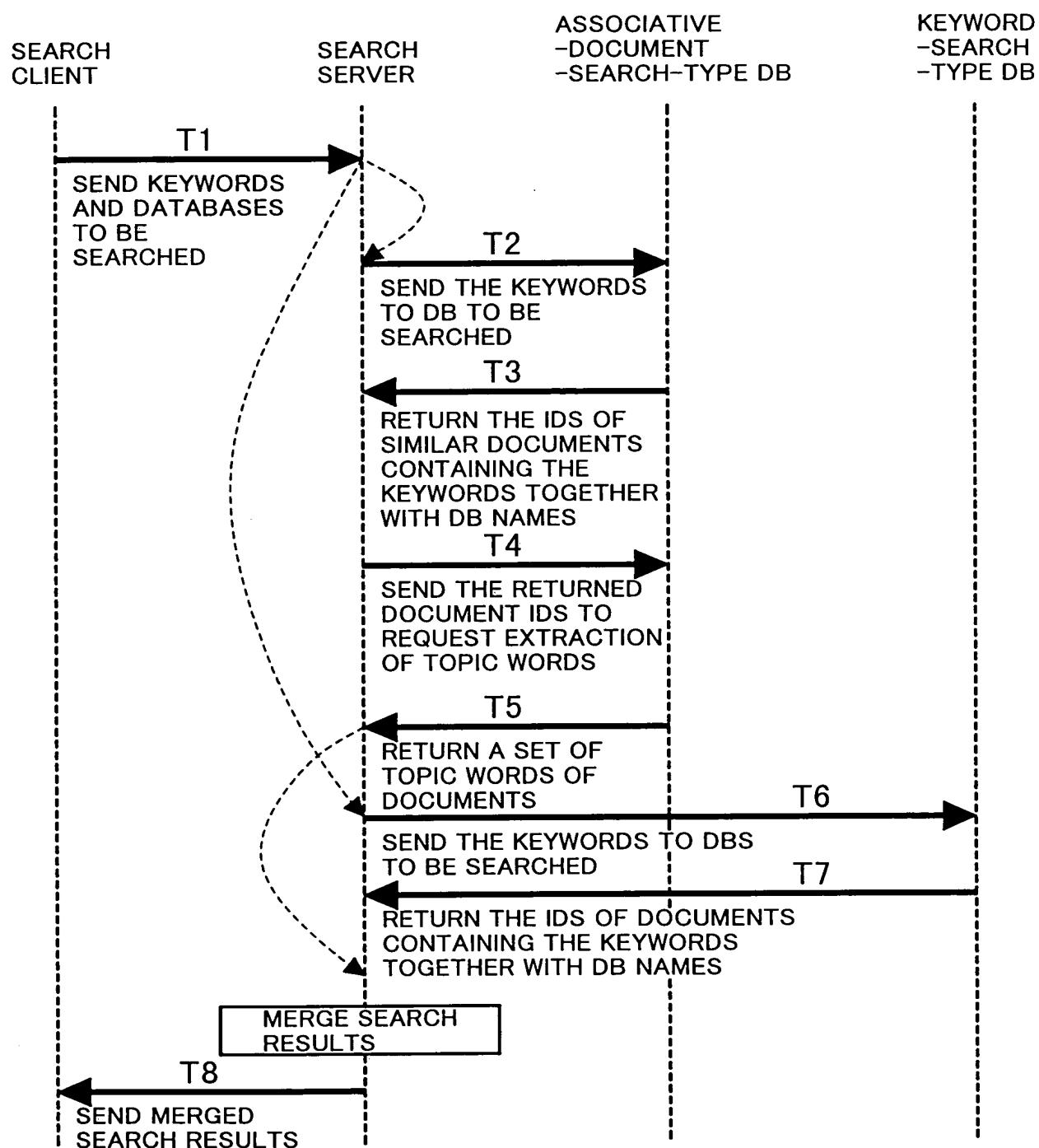


FIG.5

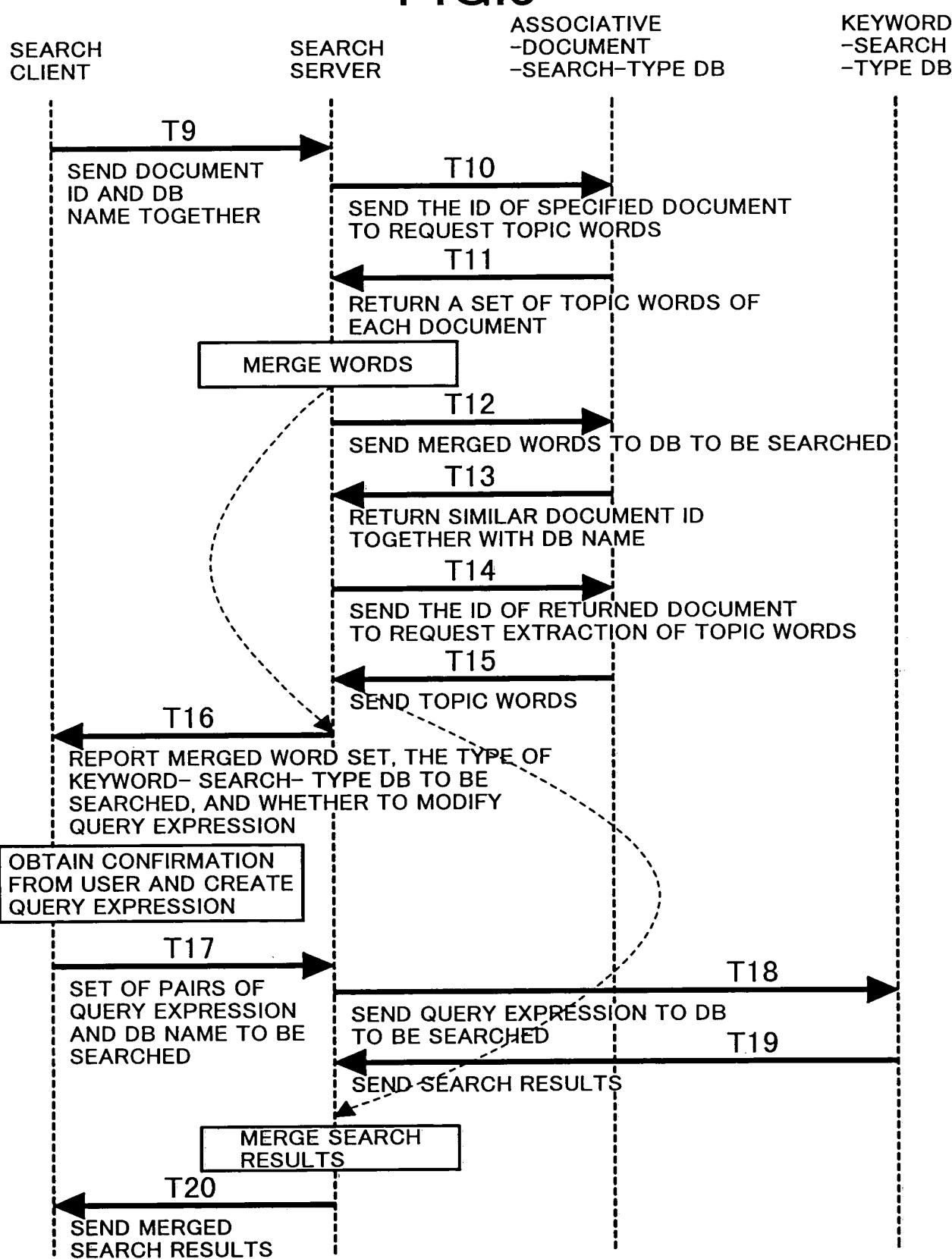


FIG.6

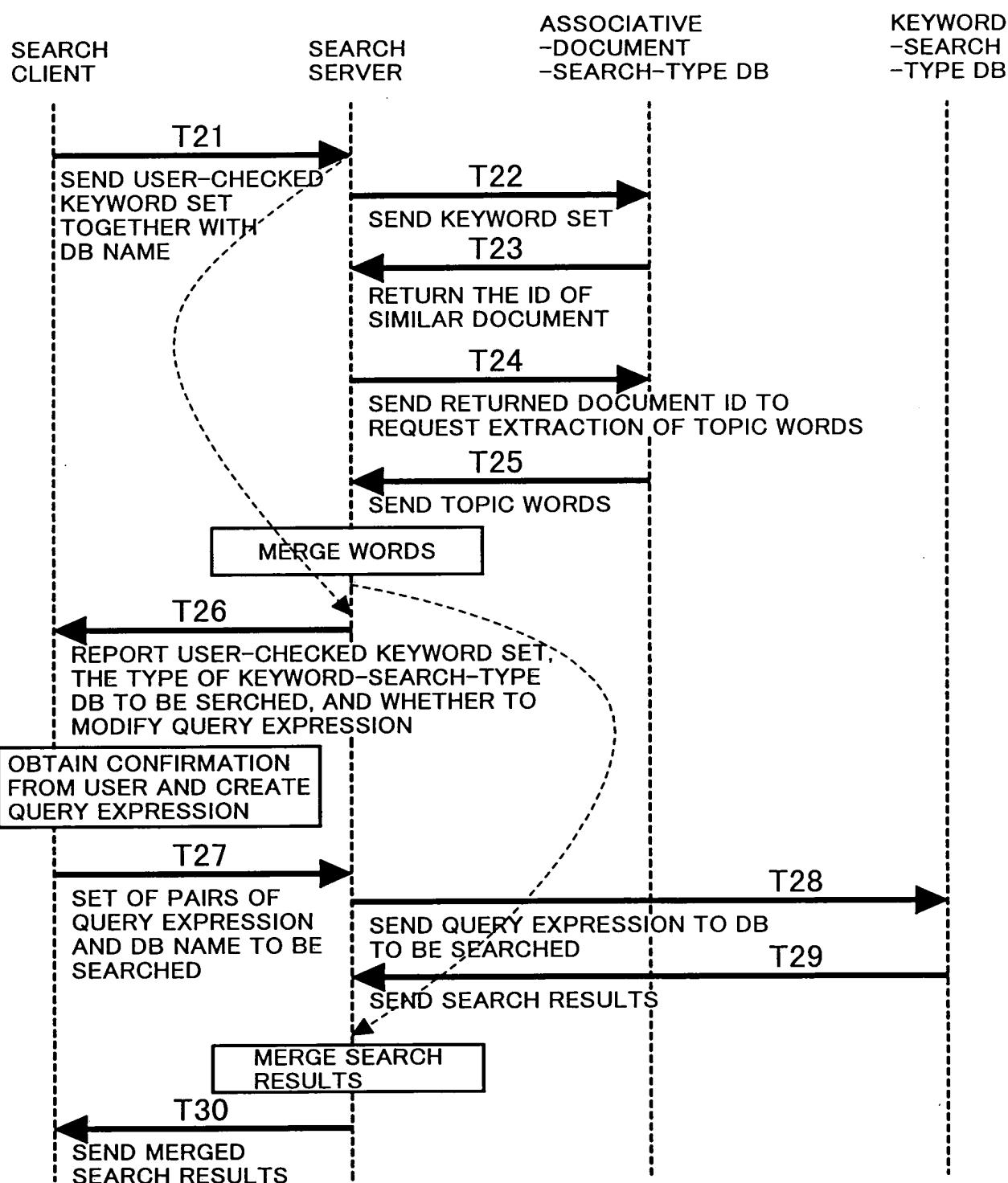


FIG.7

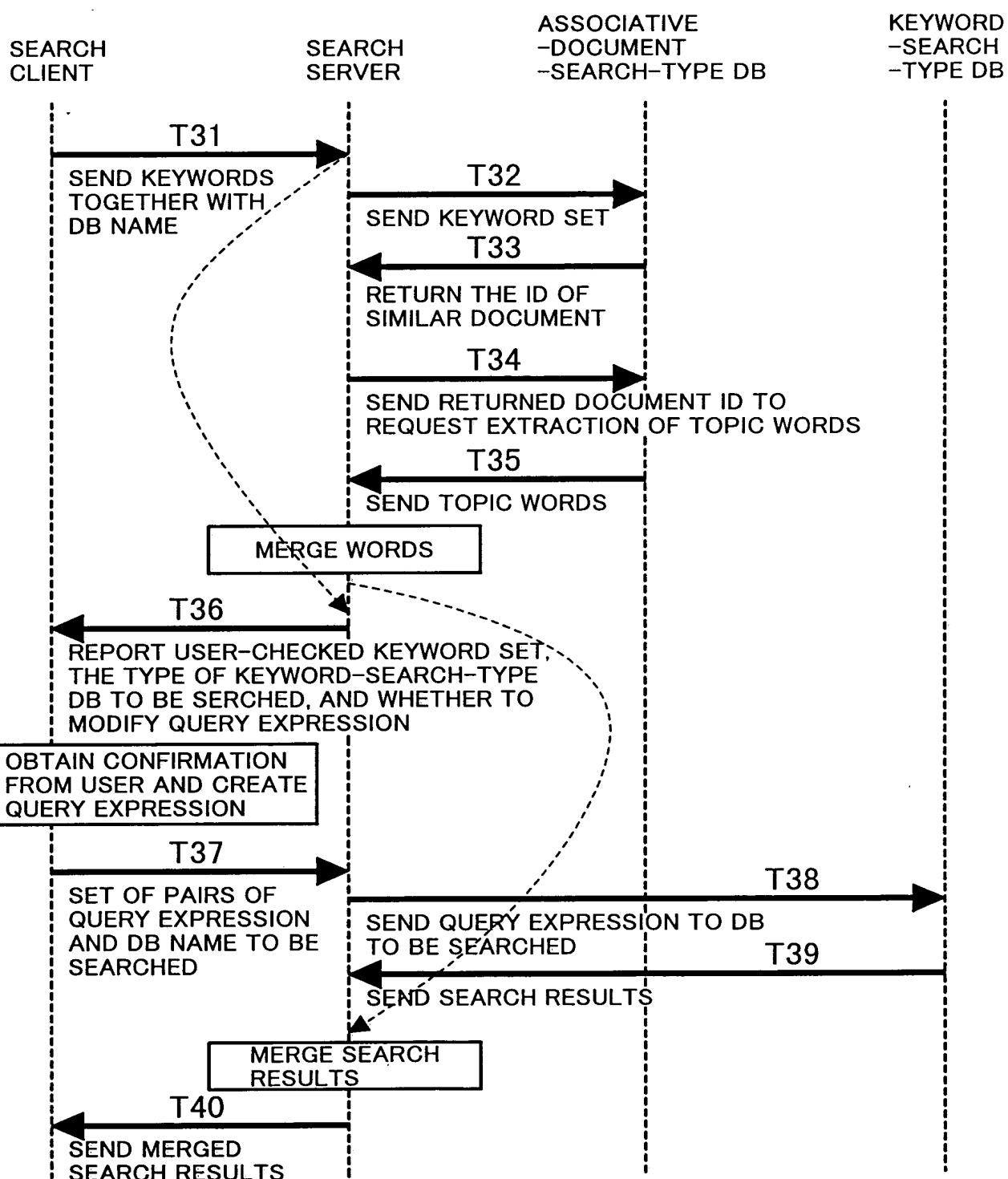
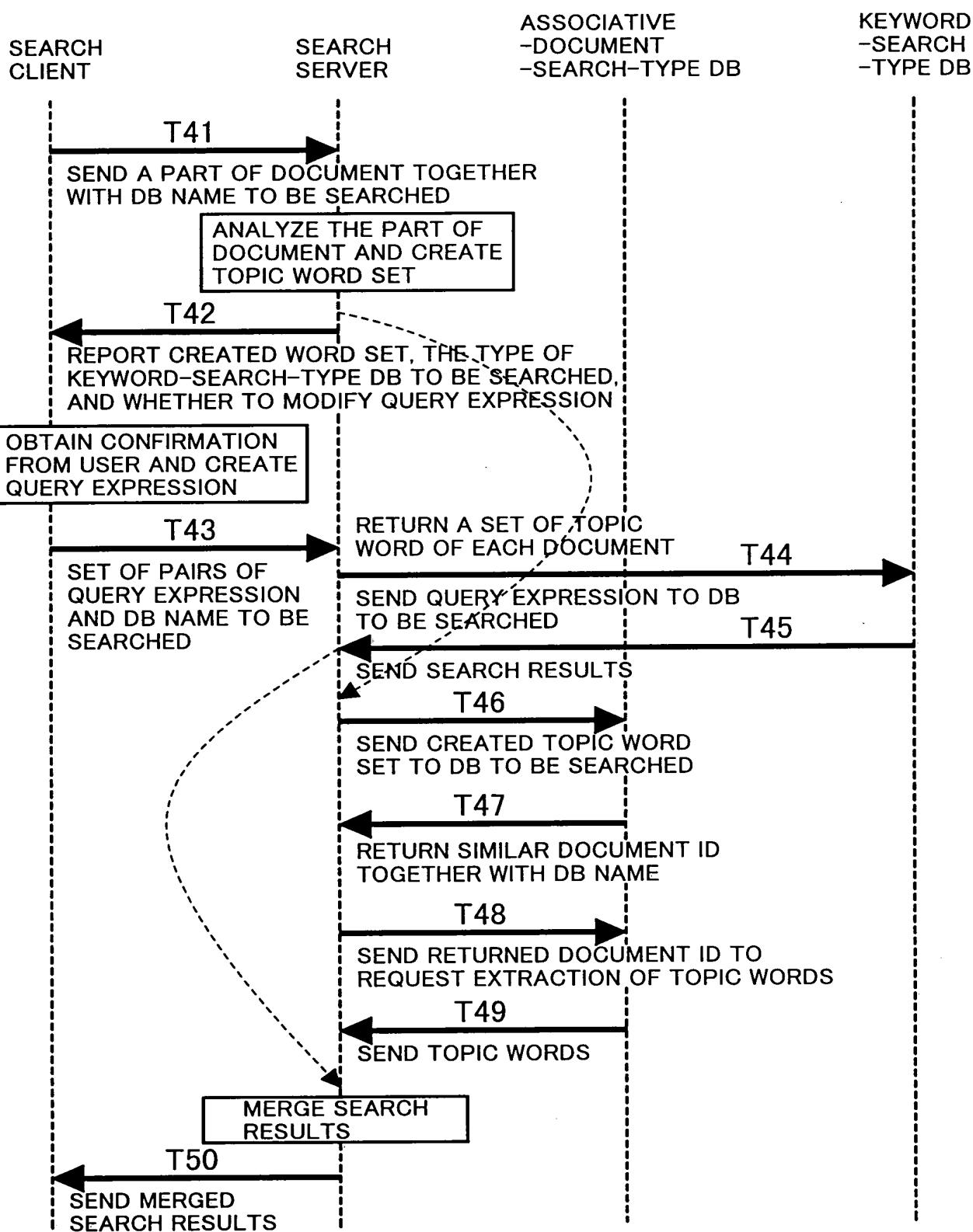


FIG.8



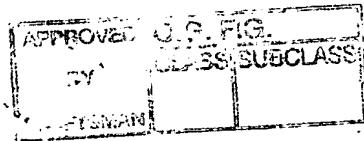


FIG.9

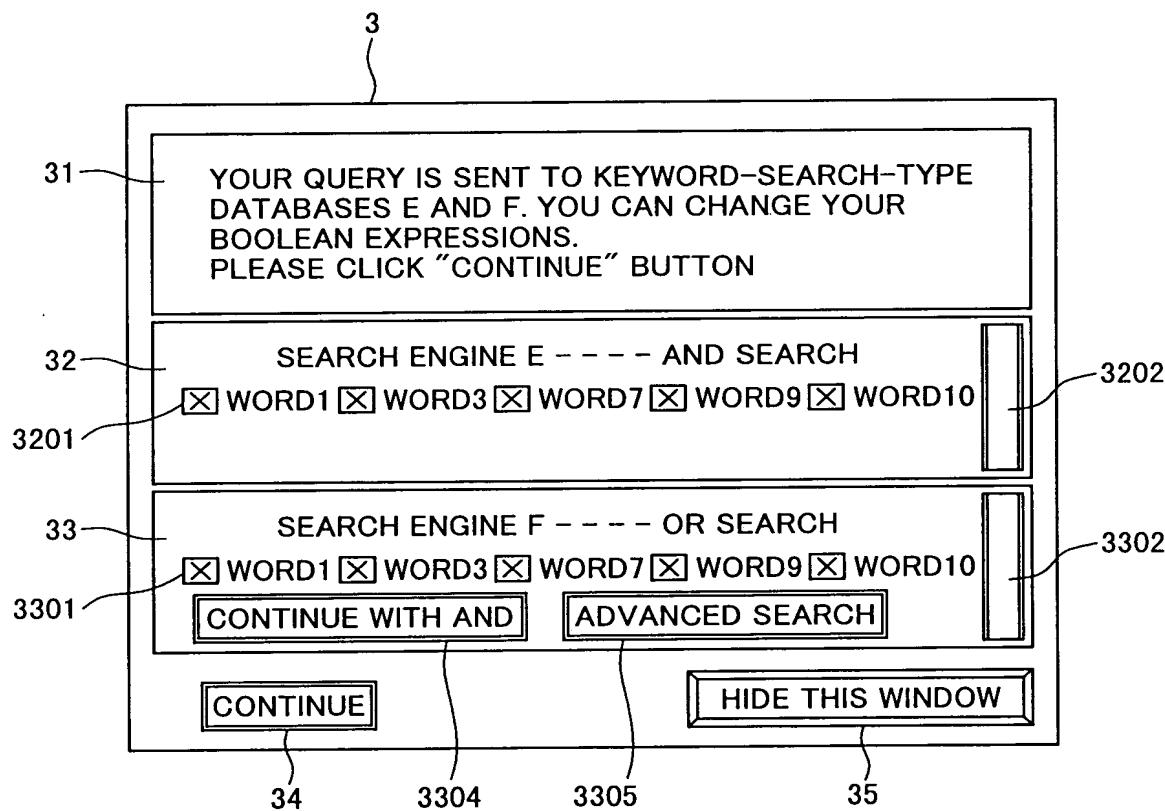


FIG.10

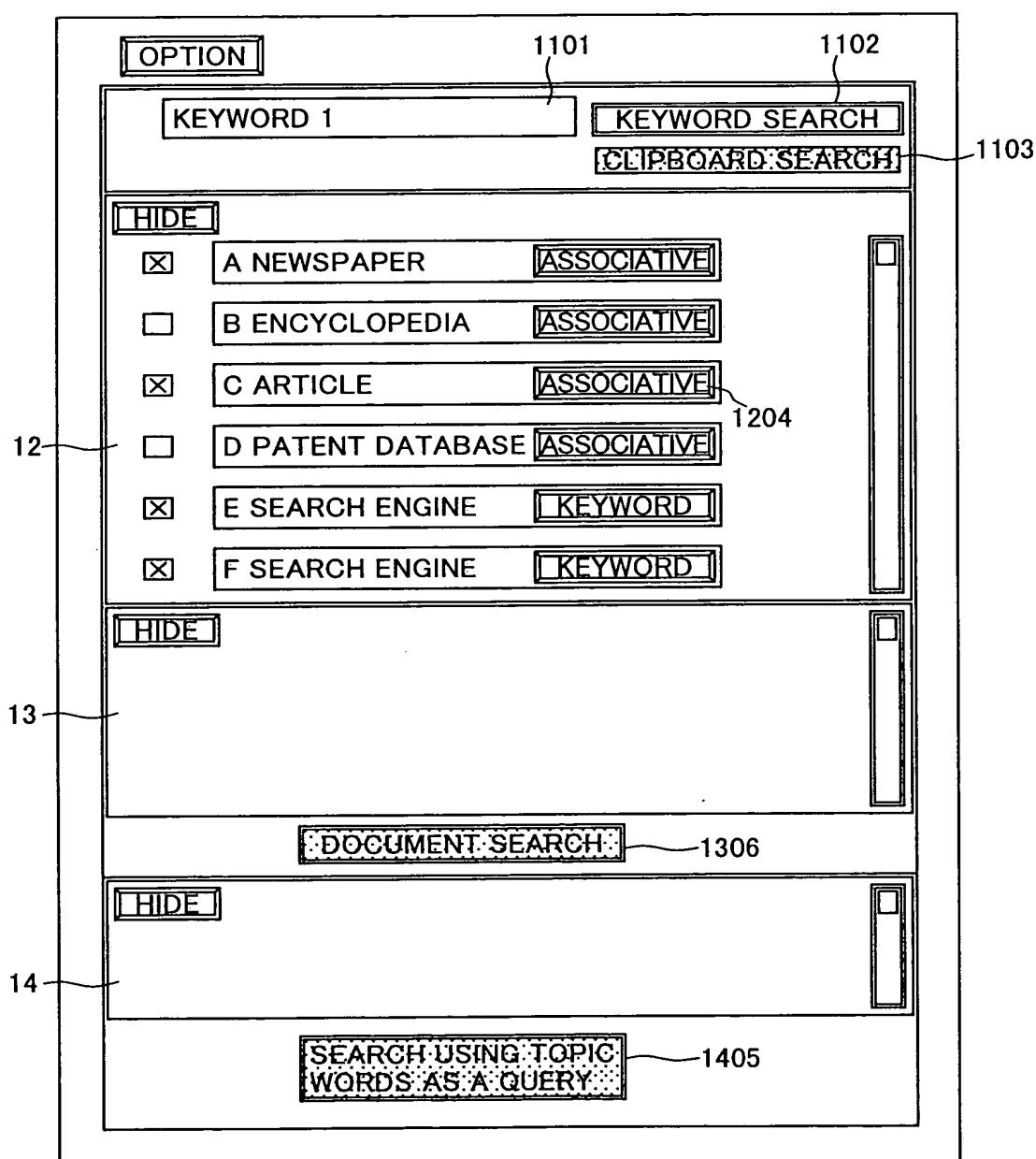


FIG.11

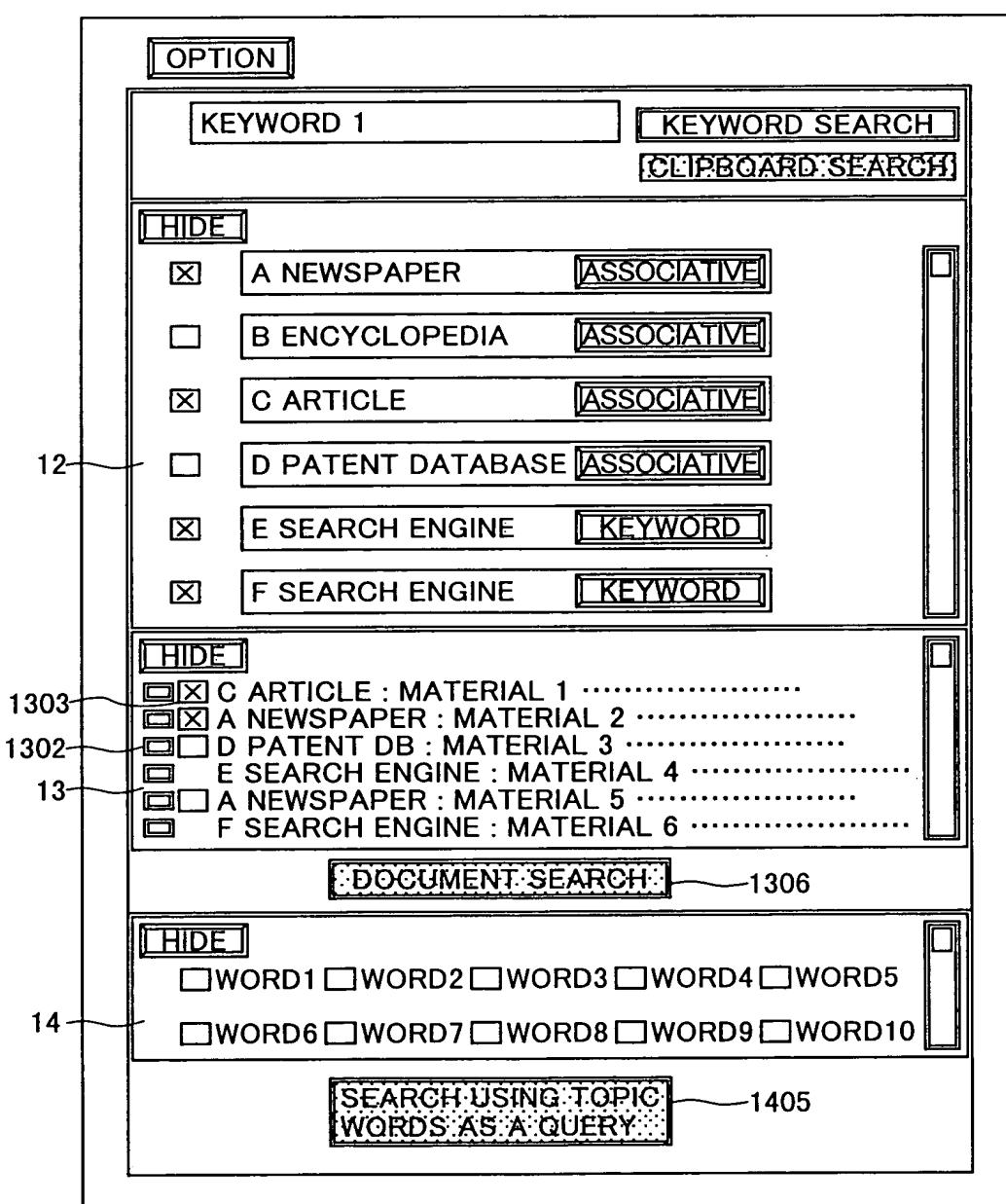


FIG.12

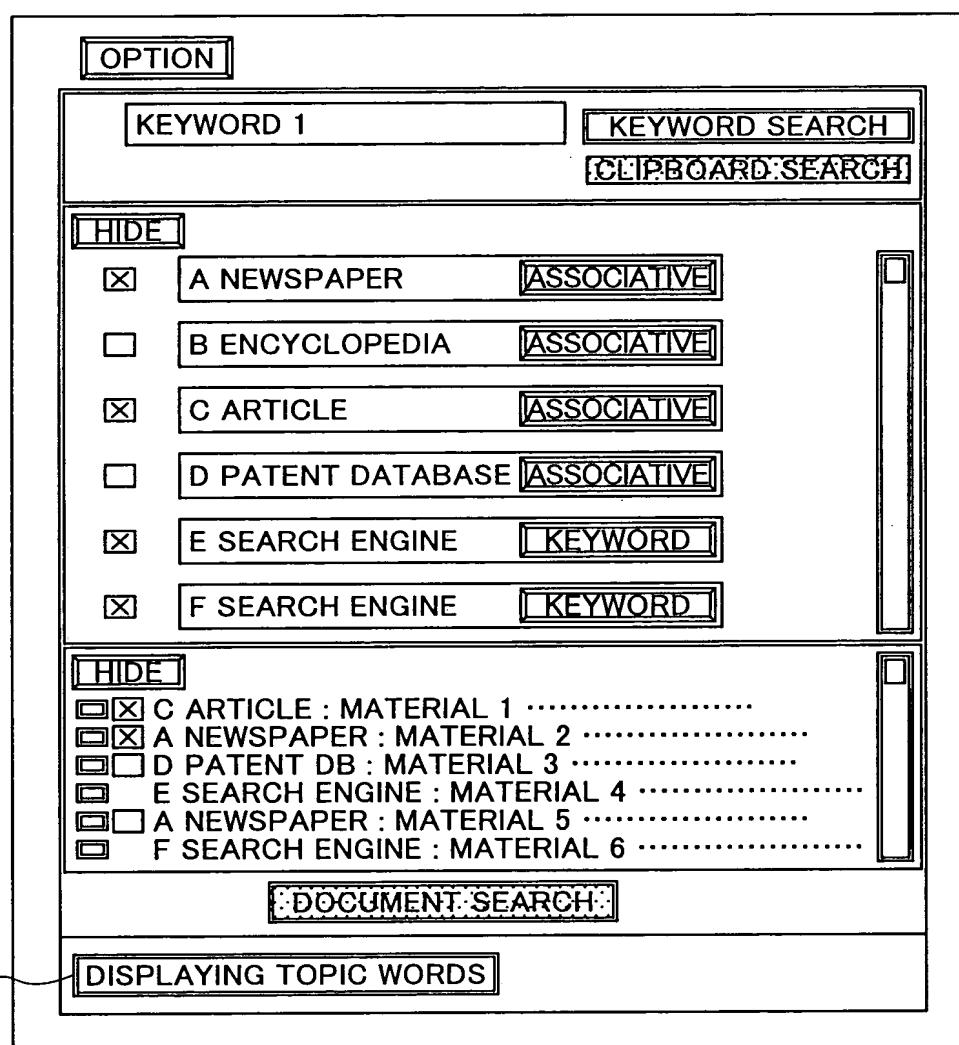


FIG.13

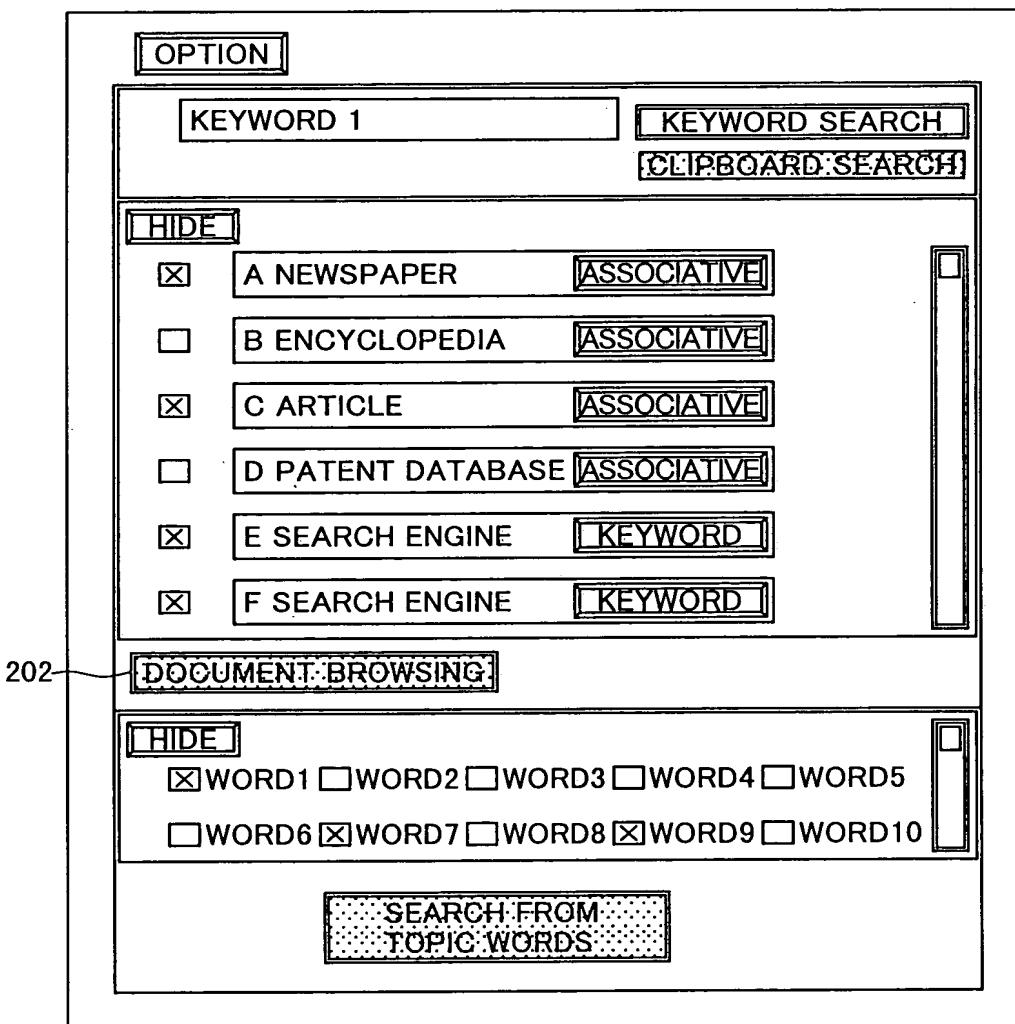


FIG.14

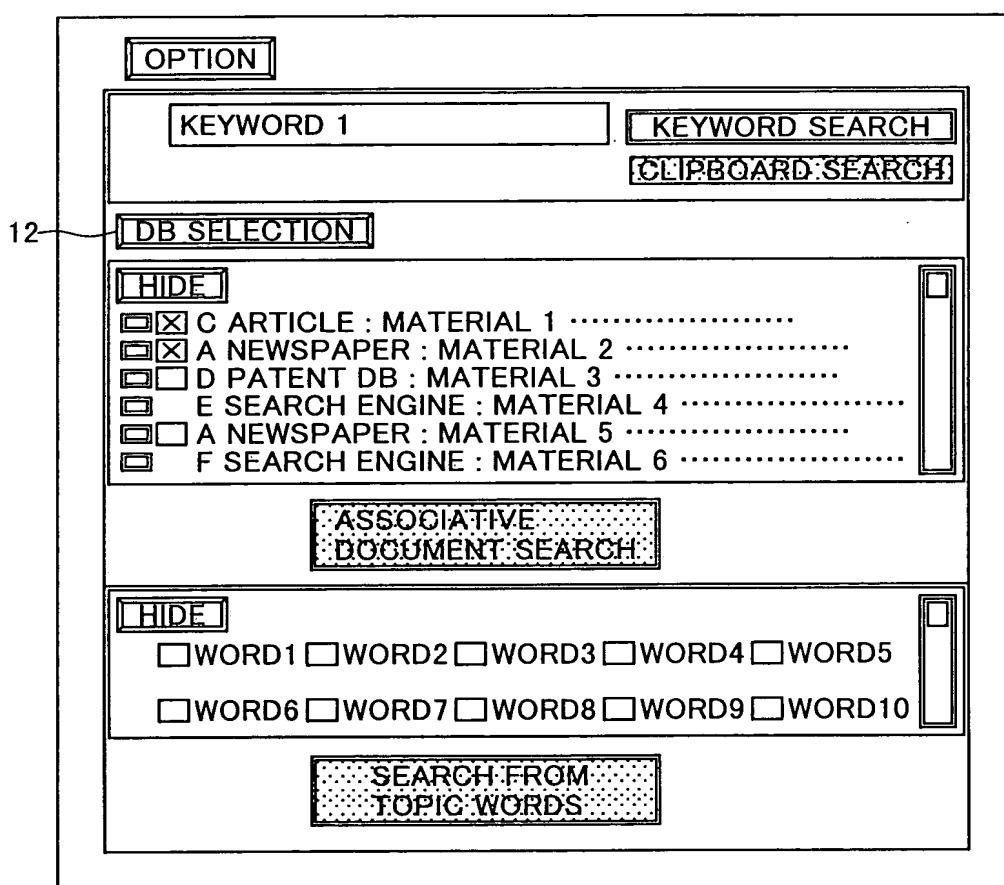


FIG.15

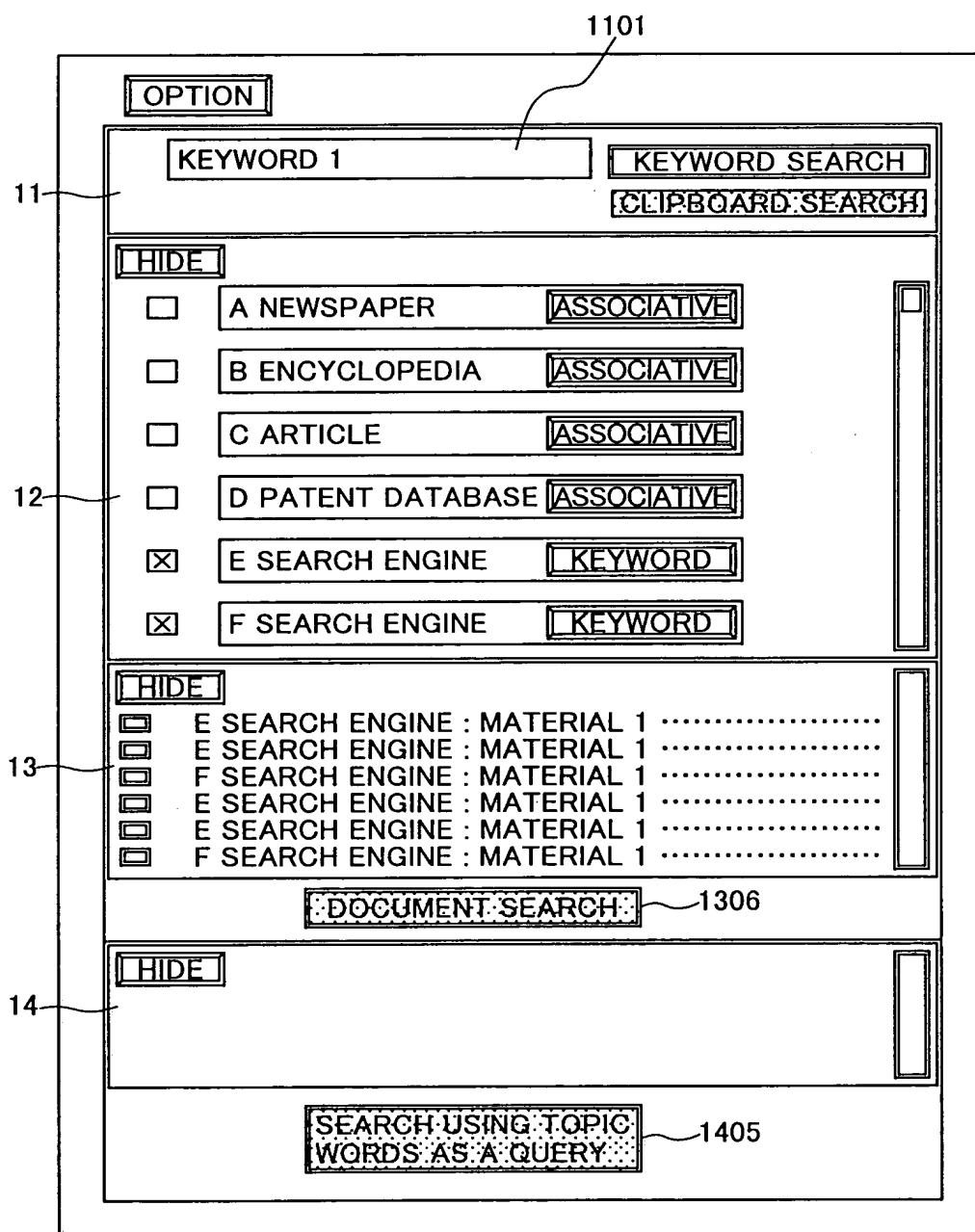


FIG.16

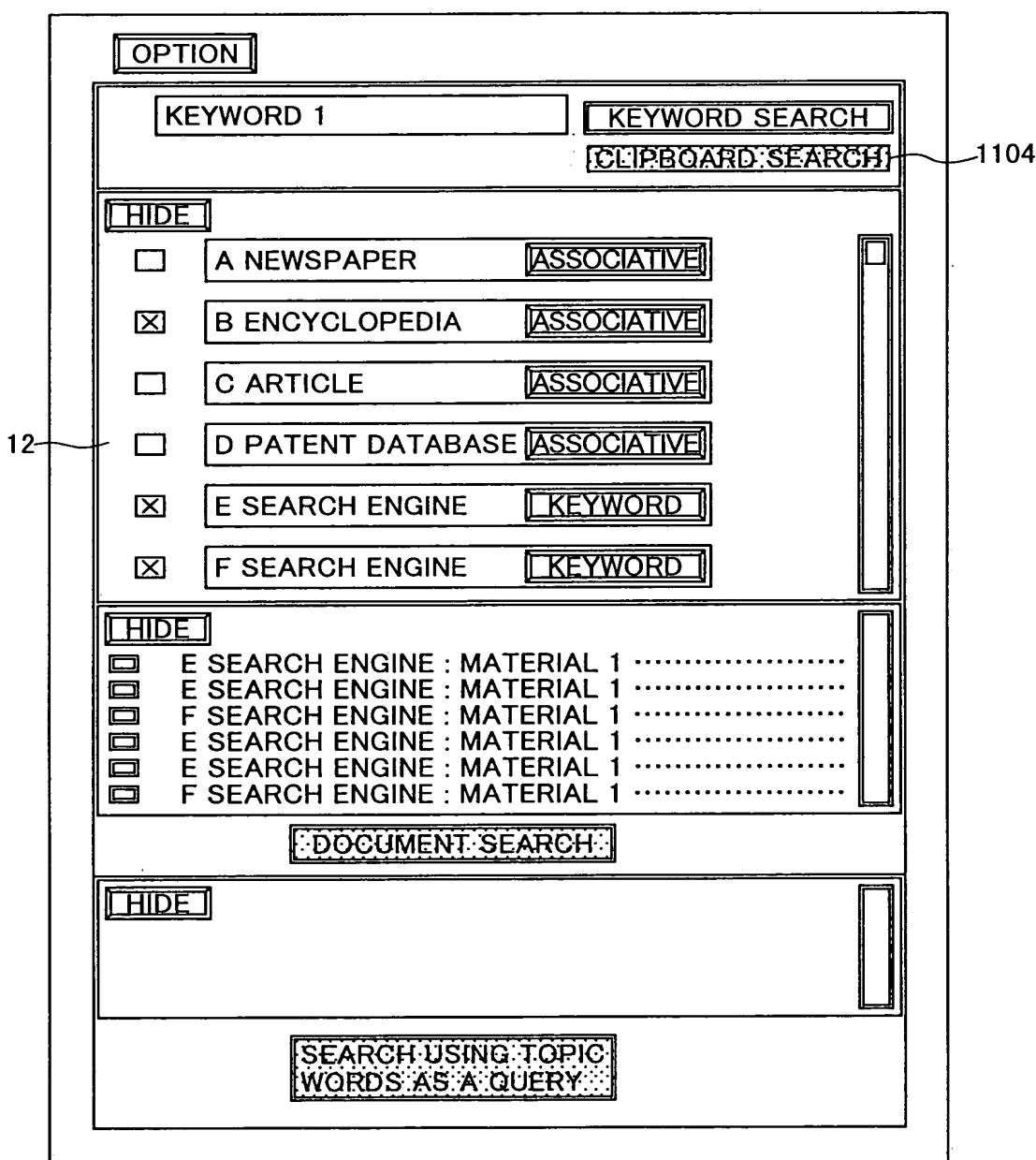


FIG.17

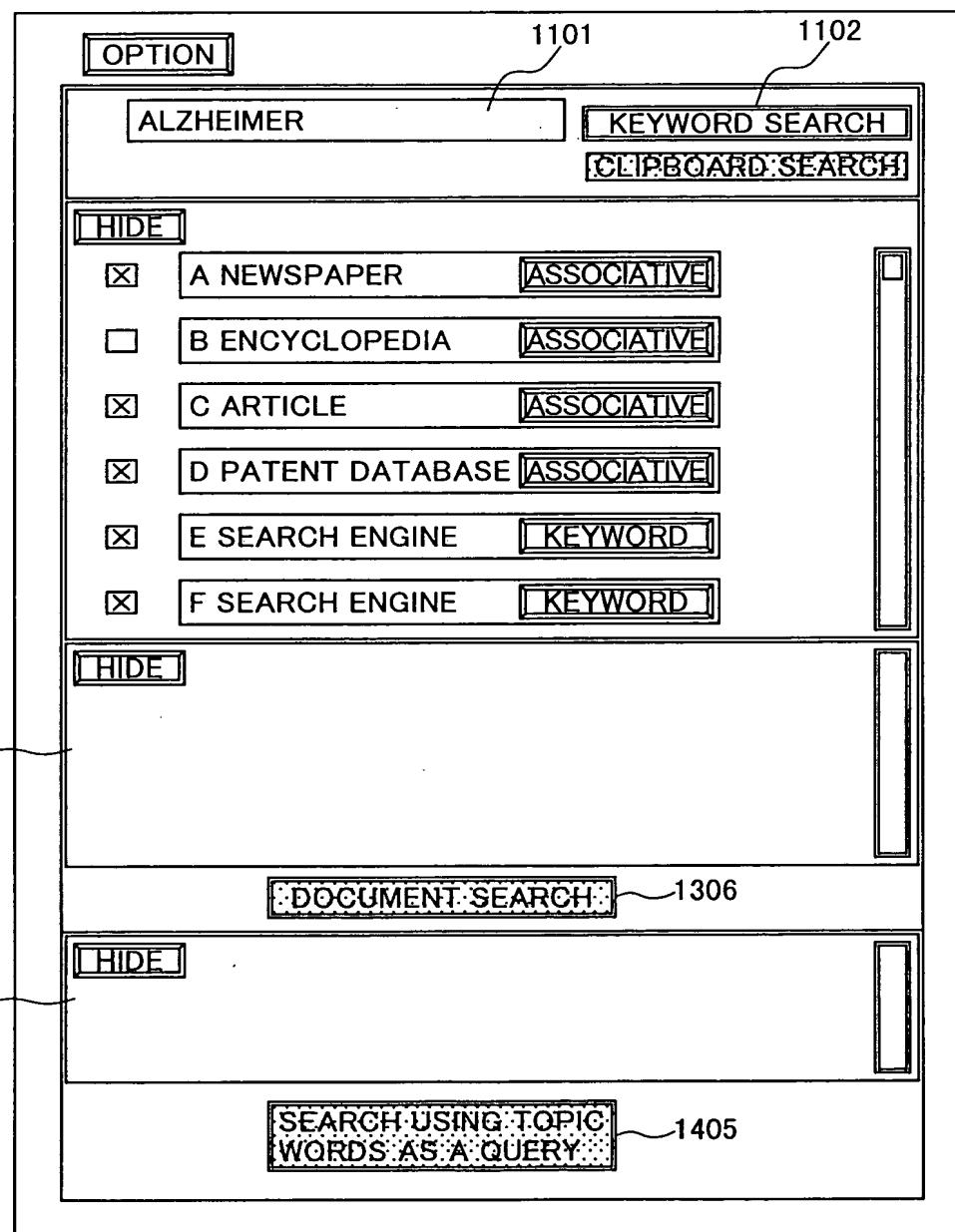


FIG.18

OPTION	
<input type="text" value="ALZHEIMER"/> <input type="button" value="KEYWORD SEARCH"/> <input type="button" value="CLIPBOARD SEARCH"/>	
HIDE	
<input checked="" type="checkbox"/> A NEWSPAPER <input type="button" value="ASSOCIATIVE"/>	
<input type="checkbox"/> B ENCYCLOPEDIA <input type="button" value="ASSOCIATIVE"/>	
<input checked="" type="checkbox"/> C ARTICLE <input type="button" value="ASSOCIATIVE"/>	
<input checked="" type="checkbox"/> D PATENT DATABASE <input type="button" value="ASSOCIATIVE"/>	
<input checked="" type="checkbox"/> E SEARCH ENGINE <input type="button" value="KEYWORD"/>	
<input checked="" type="checkbox"/> F SEARCH ENGINE <input type="button" value="KEYWORD"/>	
HIDE	
<input type="checkbox"/> C ARTICLE : nnnnn : Membrane-anchored aspartyl protease with Alzheimer <input type="checkbox"/> A NEWSPAPER : mmmmm : enzyme which is considered as a trigger of Alzheimer's disease <input type="checkbox"/> D PATENT DB : ○○○○○○○○○○ amyloid synthesis inhibitor <input type="checkbox"/> E SEARCH ENGINE : Alzheimers.com News Elusive Alzheimer's Enzyme <input type="checkbox"/> A NEWSPAPER : ppppp : American bioventure companies (Amgen Inc.,etc) <input type="checkbox"/> F SEARCH ENGINE : 1. Researchers find enzyme associated with Alzheimer	
DOCUMENT SEARCH	
HIDE	
<input type="checkbox"/> amyloid- β <input type="checkbox"/> alzheimer <input type="checkbox"/> APP <input type="checkbox"/> enzyme <input type="checkbox"/> BACE <input type="checkbox"/> β -secretase <input type="checkbox"/> γ -secretase <input type="checkbox"/> NSAIDs <input type="checkbox"/> Amgen <input type="checkbox"/> presenilin	
SEARCH USING TOPIC WORDS AS A QUERY	

13

14

FIG.19

OPTION

ALZHEIMER

HIDE

A NEWSPAPER

B ENCYCLOPEDIA

C ARTICLE

D PATENT DATABASE

E SEARCH ENGINE

F SEARCH ENGINE

12

HIDE

C ARTICLE : nnnnn : Membrane-anchored aspartyl protease with Alzheimer

A NEWSPAPER : mmmmm: enzyme which is considered as a trigger of Alzheimer's disease

D PATENT DB : ○○○○○○○○○○ amyloid synthesis inhibitor

E SEARCH ENGINE : Alzheimers.com News | Elusive Alzheimer's Enzyme

A NEWSPAPER : ppppp : American bioventure companies (Amgen Inc.,etc)

F SEARCH ENGINE : 1. Researchers find enzyme associated with Alzheimer

13

1306

HIDE

amyloid- β alzheimer APP enzyme BACE

β -secretase γ -secretase NSAIDs Amgen presenilin

FIG.20

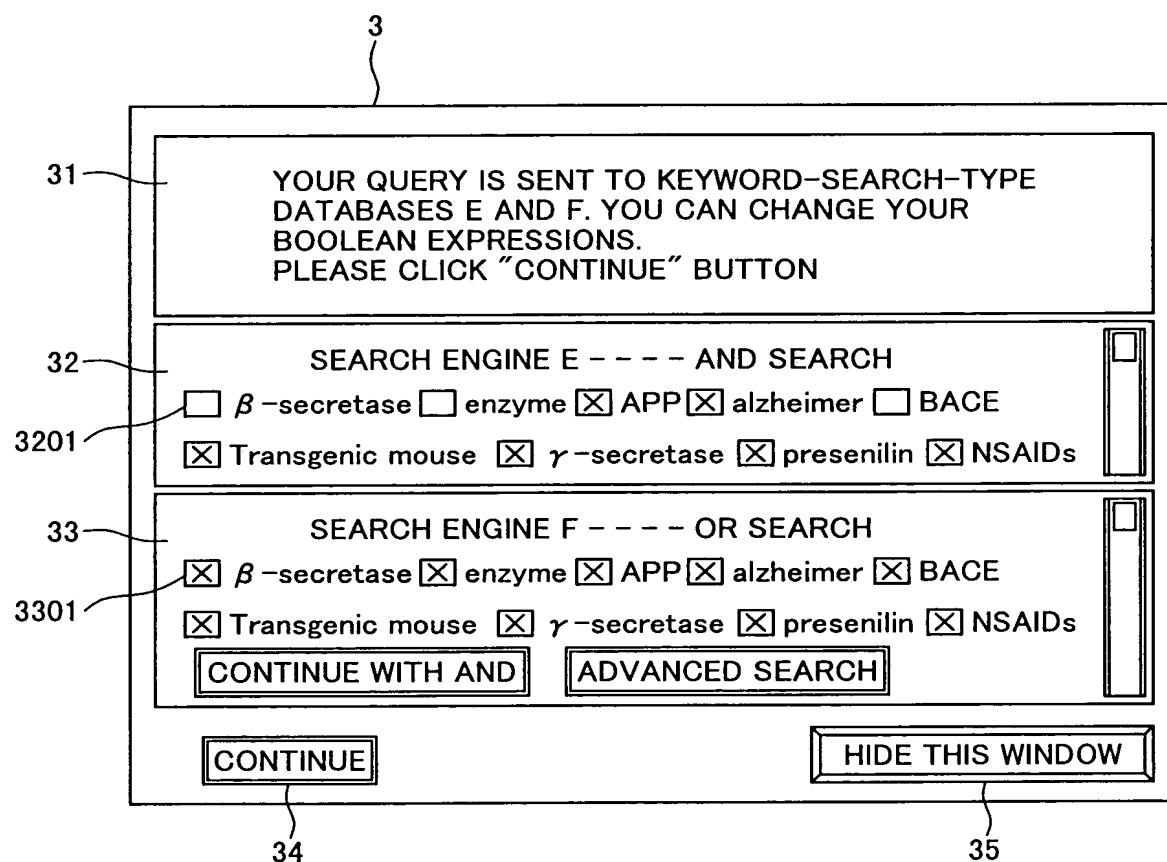


FIG.21

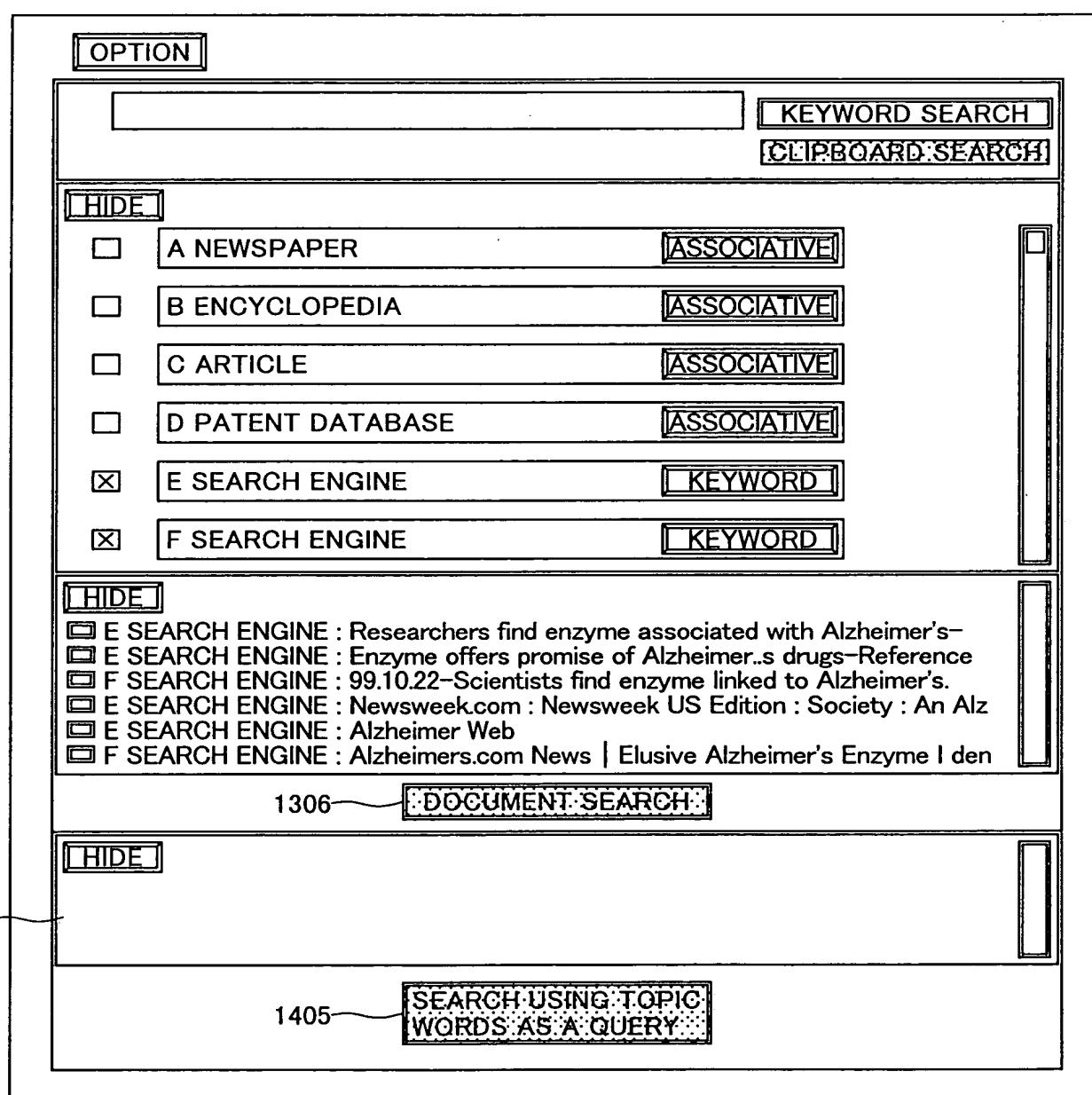


FIG.22

OPTION

ALZHEIMER

KEYWORD SEARCH

CLIPBOARD SEARCH

HIDE

A NEWSPAPER ASSOCIATIVE

B ENCYCLOPEDIA ASSOCIATIVE

C ARTICLE ASSOCIATIVE

D PATENT DATABASE ASSOCIATIVE

E SEARCH ENGINE KEYWORD

F SEARCH ENGINE KEYWORD

HIDE

C ARTICLE : nnnnn : Membrane-anchored aspartyl protease with Alzheimer

A NEWSPAPER : mmmmm : enzyme which is considered as a trigger of Alzheimer's disease

D PATENT DB : ○○○○○○○○ amyloid synthesis inhibitor

E SEARCH ENGINE : Alzheimers.com News | Elusive Alzheimer's Enzyme

A NEWSPAPER : ppppp : American bioventure companies (Amgen Inc.,etc)

F SEARCH ENGINE : 1. Researchers find enzyme associated with Alzheimer

DOCUMENT SEARCH

HIDE

amyloid- β

alzheimer

APP

enzyme

BACE

β -secretase

γ -secretase

NSAIDs

Amgen

presenilin

1405

SEARCH USING TOPIC WORDS AS A QUERY

FIG.23

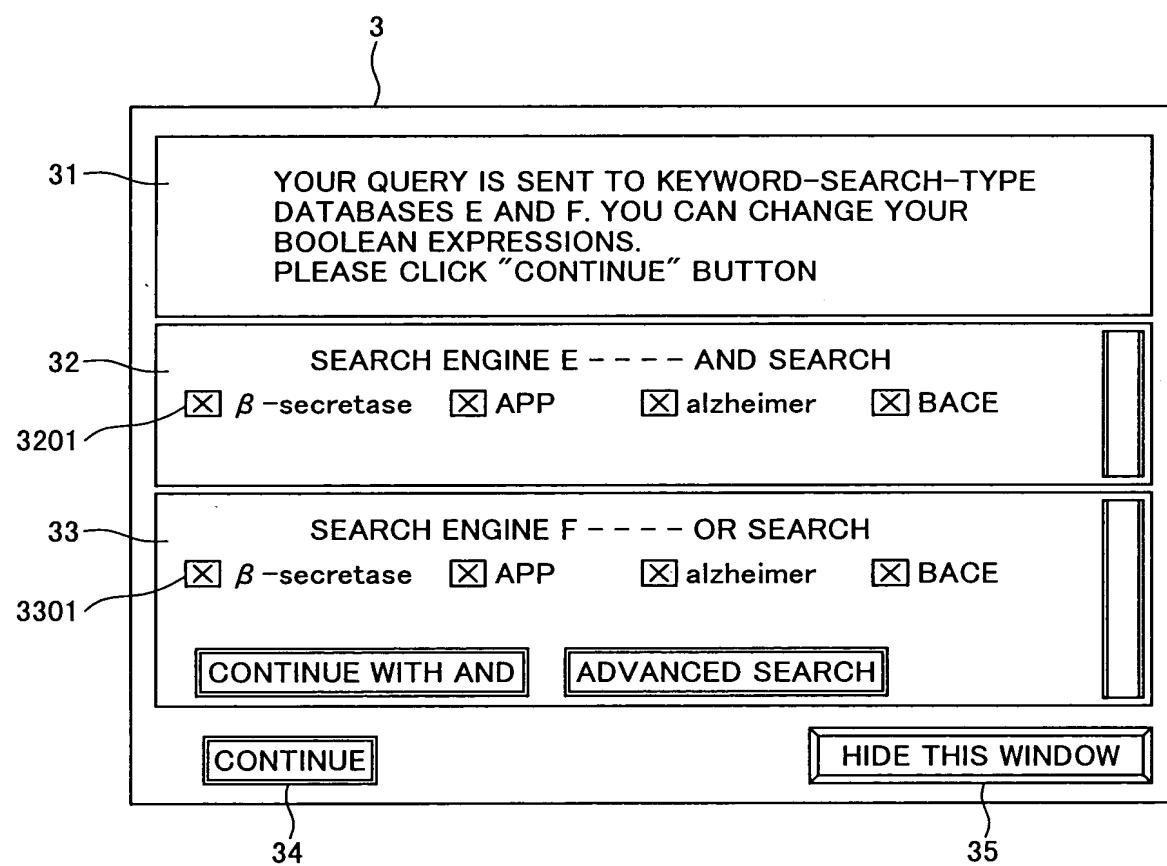


FIG.24

OPTION	
<input type="text"/> KEYWORD SEARCH CLIPBOARD SEARCH	
HIDE	
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<input type="checkbox"/> B ENCYCLOPEDIA	ASSOCIATIVE
<input type="checkbox"/> C ARTICLE	ASSOCIATIVE
<input type="checkbox"/> D PATENT DATABASE	ASSOCIATIVE
<input checked="" type="checkbox"/> E SEARCH ENGINE	KEYWORD
<input checked="" type="checkbox"/> F SEARCH ENGINE	KEYWORD
HIDE	
<input type="checkbox"/> F SEARCH ENGINE : 99.10.22-Scientists find enzyme linked to Alzheimer's. <input type="checkbox"/> E SEARCH ENGINE : Researchers find enzyme associated with Alzheimer's- <input type="checkbox"/> E SEARCH ENGINE : Enzyme offers promise of Alzheimer's drugs-Reference <input type="checkbox"/> E SEARCH ENGINE : Enzyme Points Way to Alzheimer's Therapies. Researcher <input type="checkbox"/> E SEARCH ENGINE : Alzheimer Web <input type="checkbox"/> F SEARCH ENGINE : Alzheimers.com News Elusive Alzheimer's Enzyme den	
1306	DOCUMENT SEARCH
HIDE	
14	
1405	SEARCH USING TOPIC WORDS AS A QUERY

FIG.25

OPTION

ALZHEIMER

HIDE

A NEWSPAPER

B ENCYCLOPEDIA

C ARTICLE

D PATENT DATABASE

E SEARCH ENGINE

F SEARCH ENGINE

HIDE

C ARTICLE : nnnnn : Membrane-anchored aspartyl protease with Alzheimer

A NEWSPAPER : mmmmm: enzyme which is considered as a trigger of Alzheimer's disease

D PATENT DB : 00000000 amyloid synthesis inhibitor

E SEARCH ENGINE : Alzheimers.com News | Elusive Alzheimer's Enzyme

A NEWSPAPER : ppppp : American bioventure companies (Amgen Inc.,etc)

F SEARCH ENGINE : 1.Researchers find enzyme associated with Alzheimer

1306 DOCUMENT SEARCH

HIDE

amyloid- β alzheimer APP enzyme BACE

β -secretase γ -secretase NSAIDs Amgen presenilin

SEARCH USING TOPIC WORDS AS A QUERY

FIG.26

OPTION									
<input type="text"/> KEYWORD SEARCH <input type="text"/> CLIPBOARD SEARCH									
HIDE									
<input type="checkbox"/>	A NEWSPAPER [ASSOCIATIVE]								
<input checked="" type="checkbox"/>	B ENCYCLOPEDIA [ASSOCIATIVE]								
<input checked="" type="checkbox"/>	C ARTICLE [ASSOCIATIVE]								
<input type="checkbox"/>	D PATENT DATABASE [ASSOCIATIVE]								
<input type="checkbox"/>	E SEARCH ENGINE [KEYWORD]								
<input type="checkbox"/>	F SEARCH ENGINE [KEYWORD]								
HIDE									
<input type="checkbox"/>	C ARTICLE : nnnnn : Membrane-anchored aspartyl protease with Alzheimer								
<input type="checkbox"/>	B ENCYCLOPEDIA : Alzheimer's disease								
<input type="checkbox"/>	B ENCYCLOPEDIA : aging : [aging mechanism]								
<input type="checkbox"/>	C ARTICLE : bbbbb : Purification and cloning of amyloid precursor protein								
<input type="checkbox"/>	C ARTICLE : ccccc : A second cytotoxic proteolytic peptide derived from								
<input type="checkbox"/>	C ARTICLE : dddd : Nicastin modulates presenilin-mediated notch/glp-1								
DOCUMENT SEARCH									
HIDE									
<input type="checkbox"/>	alzheimer	<input type="checkbox"/>	enzyme	<input type="checkbox"/>	APP	<input type="checkbox"/>	β -secretase	<input type="checkbox"/>	notch/glp-1
<input type="checkbox"/>	Transgenic mouse	<input type="checkbox"/>	BACE	<input type="checkbox"/>	precursor	<input type="checkbox"/>	presenilin		
SEARCH USING TOPIC WORDS AS A QUERY									

FIG.27

OPTION	
<input type="text" value="ALZHEIMER"/> KEYWORD SEARCH CLIPBOARD SEARCH	
HIDE	
<input type="checkbox"/>	A NEWSPAPER ASSOCIATIVE
<input checked="" type="checkbox"/>	B ENCYCLOPEDIA ASSOCIATIVE
<input checked="" type="checkbox"/>	C ARTICLE ASSOCIATIVE
<input type="checkbox"/>	D PATENT DATABASE ASSOCIATIVE
<input type="checkbox"/>	E SEARCH ENGINE KEYWORD
<input type="checkbox"/>	F SEARCH ENGINE KEYWORD
HIDE	
<input type="checkbox"/> C ARTICLE : nnnnn : Membrane-anchored aspartyl protease with Alzheimer <input type="checkbox"/> A NEWSPAPER : mmmmm: enzyme which is considered as a trigger of Alzheimer's disease <input type="checkbox"/> D PATENT DB : ○○○○○○○○○○ amyloid synthesis inhibitor <input type="checkbox"/> E SEARCH ENGINE : Alzheimers.com News Elusive Alzheimer's Enzyme <input type="checkbox"/> A NEWSPAPER : ppppp : American bioventure companies (Amgen Inc.,etc) <input type="checkbox"/> F SEARCH ENGINE : 1.Researchers find enzyme associated with Alzheimer	
DOCUMENT SEARCH	
HIDE	
<input checked="" type="checkbox"/> amyloid- β <input checked="" type="checkbox"/> alzheimer <input checked="" type="checkbox"/> APP <input type="checkbox"/> enzyme <input checked="" type="checkbox"/> BACE <input type="checkbox"/> β -secretase <input type="checkbox"/> γ -secretase <input type="checkbox"/> NSAIDs <input type="checkbox"/> Amgen <input type="checkbox"/> presenilin	
SEARCH USING TOPIC WORDS AS A QUERY	

FIG.28

OPTION

KEYWORD SEARCH
 CLIPBOARD SEARCH

HIDE

A NEWSPAPER ASSOCIATIVE

B ENCYCLOPEDIA ASSOCIATIVE

C ARTICLE ASSOCIATIVE

D PATENT DATABASE ASSOCIATIVE

E SEARCH ENGINE KEYWORD

F SEARCH ENGINE KEYWORD

HIDE

C ARTICLE : bbbbb : Purification and cloning of amyloid precursor protein
 C ARTICLE : eeeee : Ibuprofen,inflammation and Alzheimer disease.
 B ENCYCLOPEDIA : Alzheimer's disease
 C ARTICLE : nnnnn : Membrane-anchored aspartyl protease with Alzheimer
 C ARTICLE : ddddd : Nicastin modulates presenilin-mediated notch/glp-1
 B ENCYCLOPEDIA : aging : [aging mechanism]

DOCUMENT SEARCH

HIDE

13
 amyloid alzheimer BACE β -secretase notch/glp-1
 Presenilin-mediated APP beta-APP precursor

14

SEARCH USING TOPIC WORDS AS A QUERY